Irfora T3231

T3231 Programmable Time Control Relay Switch User Manual

Brand: Irfora | Model: T3231

1. Product Overview

The Irfora T3231 is a versatile programmable time control relay switch designed for precise timing applications. It features a digital display, multiple operating modes, and flexible parameter settings, making it suitable for various automation tasks requiring timed power control.

Image: Front view of the T3231 Programmable Time Control Relay Switch, showing the dual LED display and control buttons.

2. Key Features

- **High Working Performance:** Accurate time control, clear display, multiple operating modes, flexible parameter setting, adjustable trigger mode, stable output, and easy installation.
- **Time Control:** Digital cycle timer relay module with 9 combinations of time units, ranging from 1 second to 999 hours.
- **Dual LED Display:** Red and blue dual LED display module with operation buttons for easy setting of delay time and working mode.
- **Adjustable Working Modes:** Supports multiple working modes including timed, cyclic, and periodic operations.
- **Parameter Setting:** Allows setting of power-on time, power-off time, single delay on/off, and infinite delay on/off with 1 to 999 adjustable cycles.

Image: The T3231 relay switch, illustrating its high working performance with a clear display and control interface.

3. Package Contents

Upon opening the package, please verify that all items listed below are present and in good condition:

- 1 x T3231 Programmable Time Control Relay Switch

Note: No other accessories are typically included unless specified by the retailer.

4. Specifications

Parameter	Description
Product Name	Relay Switch (T3231)
Material	Plastics
Working Voltage / Current / Power (Optional)	12VDC/20A/240W, 110-220VAC/1500W, 110-220VAC/2200W
Cycle Switch	Supported
Time-delayed Power On	Supported
Delayed Shutdown	Supported
Infinite Cycle	Supported
Power Failure Save	Settings saved, power reset restarts operation
Buzzer Alarm	No
Limit Cycle	1-999 adjustable cycles
Trigger Mode	Auto trigger (default) / Manual trigger
External Trigger Interface	Reserved port for user-installed trigger device
Installation Size	77 x 39.3mm (3.03 x 1.55in)
Item Size	79.5 x 42.1 x 27.8mm (3.13 x 1.66 x 1.09in)
Product Weight (12VDC)	45g / 1.59oz
Product Weight (AC1500W)	50g / 1.76oz
Product Weight (AC2200W)	55g / 1.94oz

Name: Relay Switch
Material: plastics
Working voltage: 12VDC/20A/240W, 110-220VAC/1500W, 110-220VAC/2200W (optional)
Cycle switch: support
Time-delayed power on: support
Delayed shutdown: Support
Infinite cycle: Support
Power failure save: support, only save the settings, power reset restart
Buzzer alarm: No
Limit cycle: 1-999 adjustable cycles
Trigger mode: Auto trigger (default)/Manual trigger
External trigger: external trigger port reserved, need to install trigger device by yourself.

Image: The T3231 relay switch, illustrating its specifications and various power options.

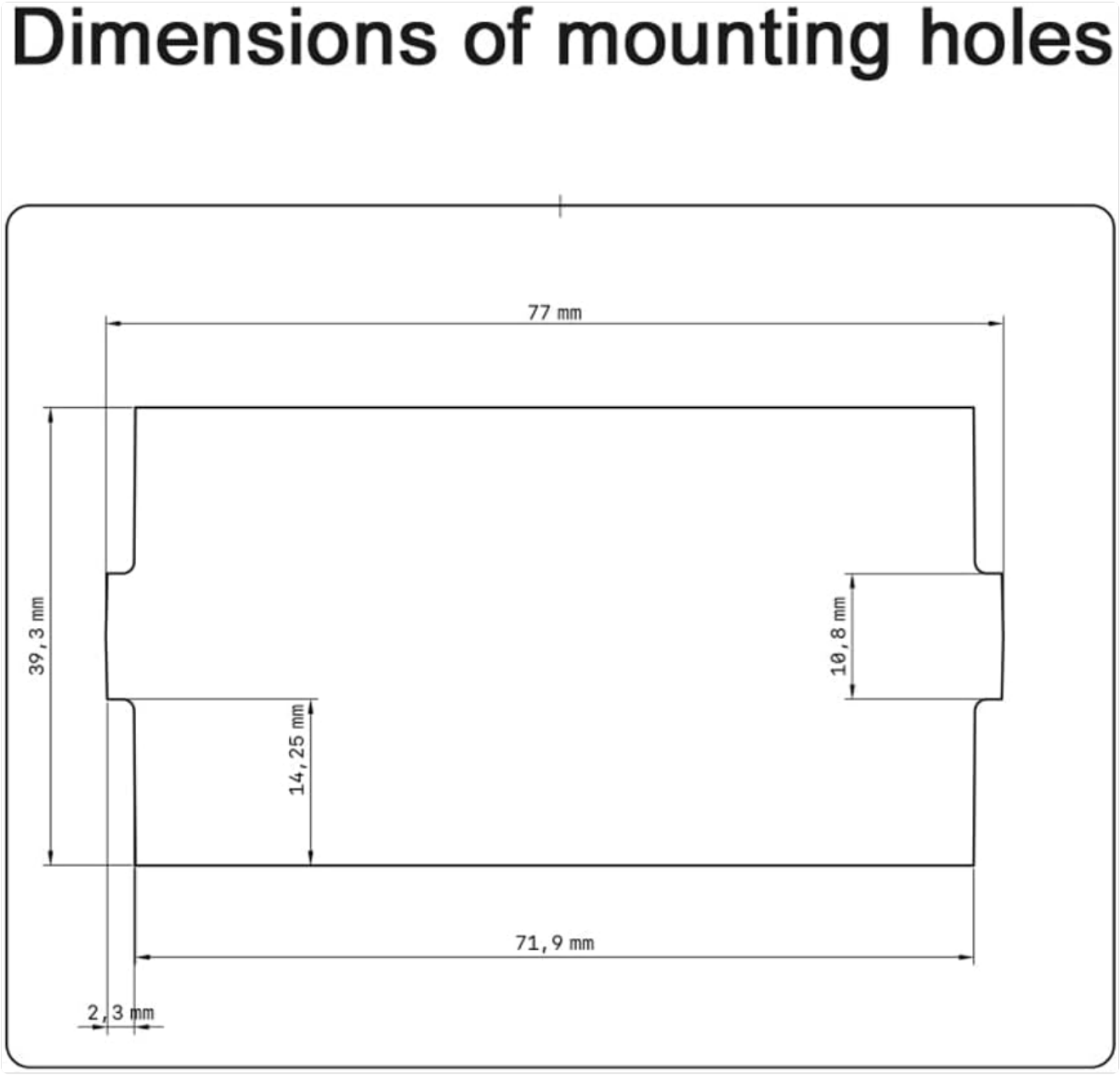

Image: Detailed diagram showing the dimensions of the mounting holes for the T3231 relay switch, with measurements in millimeters.

5. Installation and Setup

The T3231 relay switch is designed for embedded installation. Ensure proper power supply and wiring according to the specific model (12VDC, 110-220VAC/1500W, or 110-220VAC/2200W).

5.1 Mounting

The installation size is 77 x 39.3mm. Refer to the "Dimensions of mounting holes" diagram in the Specifications section for precise measurements to prepare your mounting location.

5.2 Wiring

Connect the power supply and load to the appropriate terminals on the back of the relay switch. Ensure all connections are secure and follow local electrical codes. The device has an active output.

Image: Various models of the T3231 relay switch (DC12V, AC110-220V/1500W, AC110-220V/2200W) demonstrating their compact size and ease of embedded installation.

5.3 External Trigger Interface

An external trigger port is reserved for users who wish to integrate their own trigger devices. This requires installing the trigger device separately and connecting it to the designated interface.

6. Operation and Programming

The T3231 features a dual LED display (red and blue) and control buttons for setting parameters and operating modes.

6.1 Display and Buttons

The red LED typically displays the ON time or current status, while the blue LED displays the OFF time or other parameters. The buttons (Up, Down, S, R) are used for navigation and setting values.

6.2 Time Control Units

The timer supports 9 combinations of time units, allowing settings from 1 second to 999 hours. Time control range is 1-999, with units selectable as seconds, minutes, or hours.

6.3 Working Modes

The device supports multiple working modes, including:

- **Timed Mode:** For single delay on or off operations.
- **Cyclic Mode:** For repetitive on/off cycles.
- **Periodic Mode:** For specific timing sequences.

6.4 Parameter Setting (Set Up Code Presentation)

The T3231 allows detailed parameter configuration. The following image illustrates common setup codes and their functions. Refer to the product's full programming guide for comprehensive instructions on each code (P0-P5 and their sub-settings).

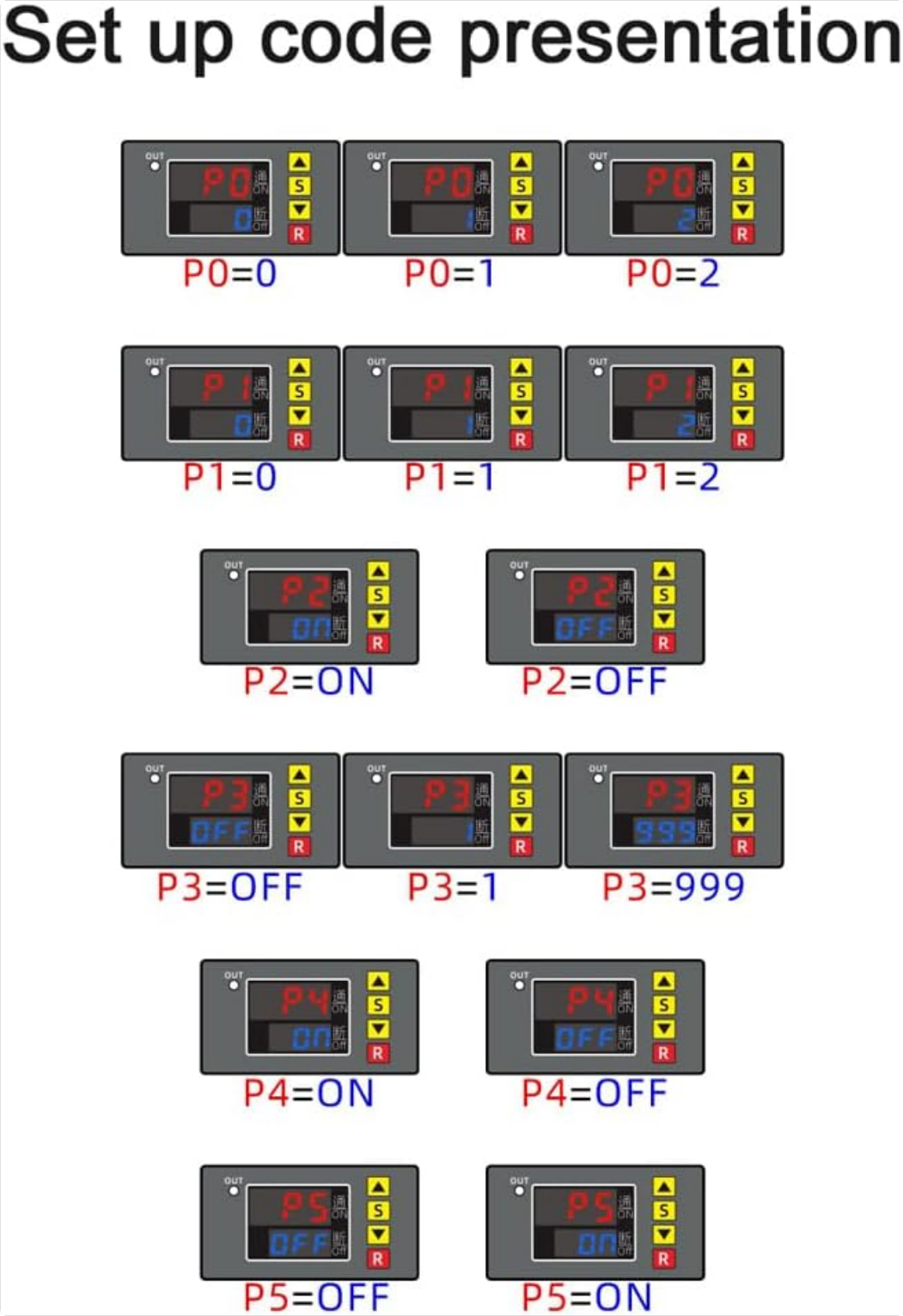

Image: Visual representation of various setup codes (P0, P1, P2, P3, P4, P5) and how they appear on the T3231's dual LED display, indicating different operational parameters.

Key parameter settings include:

- Setting power-on and power-off times.
- Configuring single delay on and off operations.
- Setting infinite delay on/off with adjustable cycles (1-999).

6.5 Trigger Mode

The device supports both Auto Trigger (default) and Manual Trigger modes. The selected mode determines how the timing sequence is initiated.

7. Troubleshooting

- **Device Not Powering On:**
  Ensure the correct working voltage (12VDC or 110-220VAC) is supplied and connections are secure. Check for loose wires or incorrect polarity.
- **Settings Not Retained After Power Loss:**
  The device supports power failure save for settings. If settings are lost, re-enter them. A power reset will restart the operation, but settings should persist.
- **Timing Inaccuracies:**
  Verify that the time units (seconds, minutes, hours) are correctly set for your desired operation. Review the programmed parameters (P0-P5) for any incorrect values.
- **Relay Not Activating/Deactivating:**
  Check the load connection and ensure it is within the specified current/power limits (20A/240W for DC, 1500W/2200W for AC). Confirm the trigger mode and ensure the conditions for activation/deactivation are met.
- **Display Issues:**
  If the dual LED display is dim or erratic, check the power supply stability. If the issue persists, contact customer support.

8. Maintenance

The T3231 Programmable Time Control Relay Switch requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use abrasive cleaners or solvents.
- **Environment:** Operate the device within its specified temperature and humidity ranges. Avoid exposure to excessive dust, moisture, or corrosive environments.
- **Connections:** Periodically check all wiring connections to ensure they remain secure.

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the manufacturer, Irfora, directly through their official channels. Keep your purchase receipt as proof of purchase.
For further assistance, please visit the product page on Amazon or contact the seller.

Related Documents - T3231

[Fiat Fiatagri Tractor Parts Catalog]

A comprehensive catalog of Fiat Fiatagri tractor parts, including pistons, rings, liners, bearings, crankshafts, gaskets, and valves. This document details various tractor models and their corresponding part numbers for engine components.